Quality Control

Page 1

January-31-13 9:49:10 AM Item ID: D2932-1 Accept \*N900040100\* Setup Start **Revision ID:** Item Name: Saddle LH Out, 206 **Start Date:** Start Qty: 2.00 1/31/13 **Cust Item ID:** Required Date: 2/06/13 Req'd Qty: 2.00 **Customer:** Reference: Run Process Plan: MLJ Date: 13-01-31 Approvals: Tooling: Date: QC: Date: SPC (Y/N): Date: Sequence ID/ Operation Set Up/ Tool ID Reject Tool # Plan Accept Reject Insp. Work Center ID **Description Run Hours** Qty Code Qty Number Stamp Draw Nbr **Revision Nbr** D2932 Rev C 100 0.00 HAAS CNC VERTICAL MACHINING #1 \*100\* HAAS 1 0.00 Memo HAAS CNC vertical machine #1 Program part number and batch number.1-Inspect part number and batch number are programmed correctly.2-Machine Step No 1 of Folio and visually inspect as per dwg D2932 & attached Dimension Sheet 3-Machine Step No 2 of Folio and visually inspect as per 110 0.00 \*110\* CONVENTIONAL MILLING MACHINE Mill Conv 0.00 Memo Conventional Milling Machine Machine Keyway and inspect per attached dimension sheet 120 QC1- Inspect dimensions to dimension sheet 0.00 QC . 0.00 Memo

												DQA:	Da	ite: _	
NCR:	Yes	/ No				WORK ORDER NON-	100	VFORM	MANCE / UP	DATE			_		
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l	1	Cuffs			1	Contamination		Mainte	enance		1	Part Moved			

Mislabeled

Out of Calibration

Out of Sequence

Outside Dimensions

Misread

Offset

Positioned Wrong

Power Loss/Surge

Other

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Turning Sequence

Wave/Twist in Tube

Ripples in Bend

Heat Treat

Inspection Strip in Tube

Torque Waves in Extrusion

Countersink

Cut Too Short

Drill Holes

Drawing

Finish Folio January-31-13 9:49:10 AM

Hand Finishing

Item ID: D2932-1 Accept \*N900040100\* Setup Start **Revision ID:** Item Name: Saddle LH Out. 206 **Start Date:** Start Qty: 2.00 1/31/13 **Cust Item ID:** Required Date: 2/06/13 **Req'd Qty:** 2.00 **Customer:** Reference: Run Process Plan: Date: **Approvals: Tooling:** Date: Date: SPC (Y/N): Date: Sequence ID/ Operation Set Up/ Tool ID Reject Tool # Plan Accept Reject Insp. **Work Center ID** Description **Run Hours** Qty Code Qty Number Stamp 130 QC8- Inspect parts - second check 0.00 \*130\* al 13/02/08 QC 0.00 Memo Quality Control 140 Chemical Conversion Coat per QSI005 4.1 0.00 2 16 13.29 \*140\* HandFinish Memo 0.00

				DQA:	Date:	
NCR:	Yes /	No	WORK ORDER NON-CONFORMANCE / UPDATE			

											QA Closed:	Date:	
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		Torque V			n	Drawing .	-		Calibration				
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Outside Dimensions

Wave/Twist in Tube

Folio

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Quality Control

Memo

January-31-13 9:49:10 AM Item ID: D2932-1 Accept \*N900040100\* Setup Start Revision ID: Item Name: Saddle LH Out. 206 Start Date: 1/31/13 Start Otv: 2.00 **Cust Item ID:** Required Date: 2/06/13 Req'd Otv: 2.00 Customer: Reference: Run Process Plan: Date: Approvals: Tooling: Date: Date: SPC (Y/N): Date: Sequence ID/ Operation Set Up/ Tool ID Tool # Plan Accept Reject Reject Insp. Work Center ID Description Run Hours Code Qty Qty Number Stamp 145 0.00 \*145\* 2 Ø Ø SprayPaint 0.00 Memo Spray Painting PRIME B 117319 START: 6:00 FINISH: 7:00 DELFLEET BLUE B 121722 DELFLEET CLEAR B 18093 START: 12:30 FINISH: 1:30 155 QC14- Inspect Spray Paint 0.00 \*155\* QC 0.00

											DQA:	Date:	
NCR:	Yes	/ No				WORK ORDER NON-C	100	VFORM	MANCE / UP			_	
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Misread

Out of Calibration Out of Sequence

Outside Dimensions

Offset

Other

Power Loss/Surge

Turning Sequence

Wave/Twist in Tube

Ripples in Bend

Inspection Strip in Tube

Torque Waves in Extrusion

Cut Too Short

Drill Holes

Drawing

Finish Folio

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Page 4

January-31-13 9:49:10 AM Item ID: D2932-1 Accept \*N900040100\* Setup Start **Revision ID:** Item Name: Saddle LH Out. 206 **Start Date:** 1/31/13 Start Qty: 2.00 **Cust Item ID:** Required Date: 2/06/13 Req'd Qty: 2.00 **Customer:** Reference: Run Approvals: **Process Plan:** Date: Tooling: Date: Stop SPC (Y/N): Date: Date: Sequence ID/ Operation Set Up/ Tool ID Tool # Plan Accept Reject Reject lnsp. Work Center ID Description **Run Hours** Code Qty Qty Number Stamp 170 Identify as per dwg & Stock Location: 5+4 \*170\* Packaging 0.00 Memo Packaging 180 QC21- Final Inspection - Work Order Release 0.00 \*180\* QC 0.00 Memo WF 2/14 Quality Control

												DQA:	Da	te: _	
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Cause		Date	Step	Qty	(	or Non-conformance	Cł	nief Eng	Desc	ription		Date	Verificatio	n	QC Inspector
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		Cracks				Broken/Damaged		Inspecti	on Incomplete		L	Part Incorre			Weld
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}		Cuffs				Contamination		Mainte	nance		l	Part Moved			

Mislabeled

Out of Calibration

Out of Sequence

Outside Dimensions

Misread

Offset

Positioned Wrong

Power Loss/Surge

Other

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Ripples in Bend

Turning Sequence

Wave/Twist in Tube

Heat Treat

Inspection Strip in Tube

Torque Waves in Extrusion

Countersink

Cut Too Short

Drill Holes

Drawing

Finish Folio

## **Picklist Print**

January-31-13 9:49:19 AM

Work Order ID: 96705

D2932-1

\*96705\*

Parent Item Name: Saddle LH Out. 206

\*D2932-1\*

**Start Date: 1/31/13** 

Required Date: 2/06/13

Start Qty: 2.00

Required Qty: 2.00

Comments:

Parent Item:

IPP: B00.06.26New DWG rev, (mpp 2069)EC

IPP Rev:C As per Rev C 07-03-19 JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch		Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
*D6101-003		Manufactured	No			100	Each	50.0000	1	2			
Saddle Billet, 7075	IJ. <b>5</b> "								**	·	80 13/10	1/31	
				Location	!	Loc	Qty	Loc Code					

MAT042 50 ·**-**7 94840 50

NCR: Y	'es	/ No				WORK ORDER NON-C	10:	NFORM	ANCE / UPI	DATE		_		-	
											С	(A Closed:	Dat	:e:	
Work Orde	·r·					DISPOSITION			•	AGAINST DE	EP/	ARTMENT/	PROCESS		
Part N	lo.					Rework Scrap Use-as-is Work Order Update		1	Skid-tube  Machining noforming  Large Fab	Crosstube Small Fab Finishing Composite			Water Jet d. Eng. Coor. e/Packaging Supplier		Engineering Quality Other
Root					Descri	ption of work order update	1	nitial	Act	ion		Sign &			
Cause		Date	Step	Qty	C	or Non-conformance	Ch	ief Eng	Descr	ription	$\perp$	Date	Verification	<u>1</u>	QC Inspector
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Material															
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		Cracks				Broken/Damaged		Inspect	ion Incomplete		F	Part Incorrec	ct		Weld
		Crushed/	Crimped.			Burrs		Instruct	ions Incomplete/	Unclear	$\prod_{F}$	Part Lost/Mi	ssing		Wrong Stock Pulled

Maintenance

Out of Calibration

Out of Sequence

Outside Dimensions

Mislabeled

Misread

Offset

Contamination

Countersink

Cut Too Short

Drill Holes

Drawing

Finish

Folio

DQA:

Part Moved

Positioned Wrong

Power Loss/Surge

Other

Date:

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Turning Sequence

Wave/Twist in Tube

Ripples in Bend

Cuffs

Heat Treat

Inspection Strip in Tube

Torque Waves in Extrusion

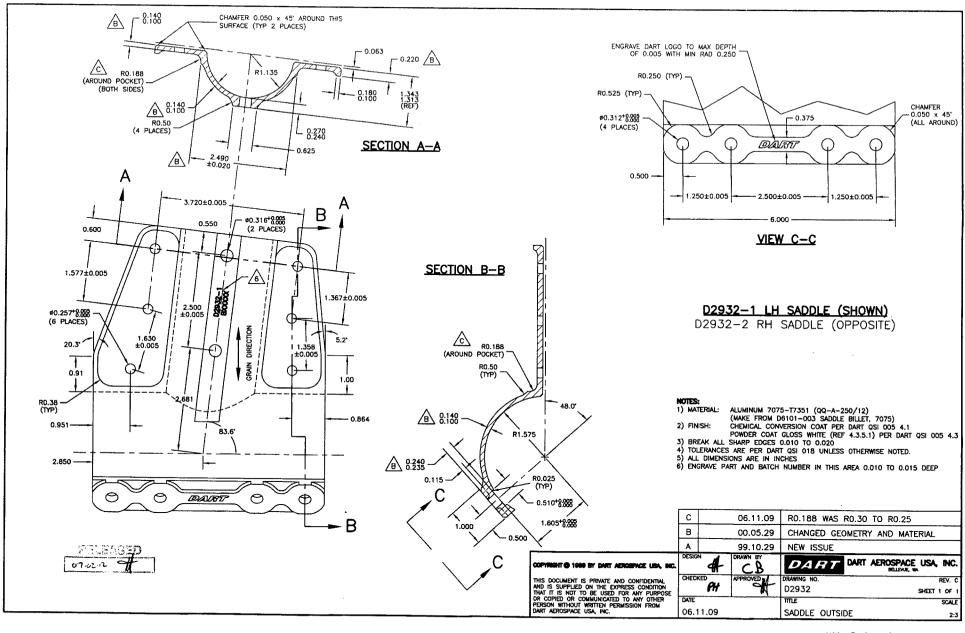
DART AEROSPACE LTD	Work Order:	96705
Description: 206 Saddle, Outboard, Left side	Part Number:	D2932-1
Inspection Dwg: D2932 Rev. C		Page 1 of 1

Inspect dimensions highlighted on inspection sheet drawing D2932 Rev. C and record below:

				Re	corded Acti	ual Dimensio	ns		<del></del>
Dim	Min	Max	Go/No Go Gauge	1	2	3	4	Ву	Date
Α	0.100	0.140		114	115				
В	0.100	0.140		1-114	-115				
С	0.100	0.140		-119	-121				
D	0.210	0.230		222	- 222				
Е	1.245	1.255		1,250	222				
F	1.245	1.255		1,250	1.250				
G	2.495	2.505		2.500	2.500				
H	0.510	0.515		-51A	/51Q				
1	1.572	1.582		1,544	1.579				
J	2.495	2.505		2.500	2.500				_
K	0.257	0.262		-258	258				
L	0.312	0.317		-313	-313				
M	0.235	0.240		-313 -238	-313 -238				
N	0.100	0.140		-121	12				
0	0.540	0.560		-550	550				
Р	0.490	0.510		-500	-550			<del>                                     </del>	
Q	3.715	3.725		3 720	3,420				
R	2.470	2.510		2490	2,490				
S	0.240	0.270		2251	251				
T	0.100	0.180		-351 -30	130		•		
U	1.625	1.635		1.630	1.630				
V	1.362	1.372		1364	1317				
W	0.316	0.321		-316	316				
X	1.125	1.145		1/35	1.135				
Υ	1.565	1.585		1575	1,545				
Z	0.178	0.198		-188	-188			1	
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Measured by:	Audited by ,
Date:  3-02-08	Date: 13/12/08

Rev	Date	Change	Revised by	Approved
Α		New Issue	RF	
В	02.12.12	Re-format; Added Dim. X-Y, DT8683, DT8686, DT8690	KJ/RF 1.4	21
С	07.03.21	Revised per drawing revision C	KJ/JLM	



SHOP COLY RETURN TO ENGINEERING UNCONTROLL ED COPY SUBJECT TO AMENUMENT WITHOUT NOTICE WORK ORDER MUST NO. 96-705 MUST 13-01-31